ABSTRACT OF THE DISCLOSURE

The structure of a human RAD51-BRC repeat sequence complex structure is provided. The structure can be used in modelling the interaction of molecular structures such as potential pharmaceutical compounds. Mutant RAD51 and BRCA2 polypeptides and RAD51-BRC repeat sequence chimaera proteins and are also provided. The mutants may be used in assays for finding compounds which interact with or form part of a RAD51 pathway, and the chimaeras can be used to form crystals which may be analysed by X-ray crystallography.

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